IN THE SPECIFICATION

Please amend the specification as follows. Applicants include herewith an Attachment for Specification Amendment showing the amended specification in which underlines indicates insertions and brackets indicate deletions.

The paragraph starting at page 3, beginning with line 27, has been amended to read as follows:

In accordance with the teachings of the present invention, a process for analyzing a sub-model associated with a full model system is disclosed. The process includes defining the sub-model as a collection of entities, where some of the entities are calculation entities and some are data entities. The process converts the calculation entities in the sub-model that depend on entities in the full model outside of the sub-model to temporary data entities. Further, the process deletes the connection arcs in the sub-model directed to the converted temporary data entities. The process also determines if there are any isolated cycles in the sub-model and, if so, which of the entities in the isolated cycle will be an output entity. Further, the process adds all global variables to the sub-model that are used in the full model.

The paragraph starting at page 12, beginning with line 20, has been amended to read as follows:

Next, the algorithm temporarily deletes the dependencies of temporary data entities on other data entities, as represented by the step of box 80. Because some of the calculation entities may have been converted to temporary data entities, these